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Tarabya Sarıyer İstanbul & İzmit Kocaeli
Website: http://bgracoskn.github.io

Buğra COŞKUN

SKILLS

- Multi-Purpose Programming (**Python, C, C++, Arduino, Assembly, Matlab**)
- Embedded Microcontrollers (**PIC, AVR**)
- Neural Networks and Machine Learning (**TensorFlow, Keras**)
- Scientific Computing (**Numpy, Pandas, Matlab, Wolfram, Octave**)
- Circuit Design and Simulation (**Multisim, Proteus, EagleCAD**)
- Language (**Bilingual level English, Native Turkish, Casual Convo. Japanese, Introductory French**)

EDUCATION

Mechatronics Engineering – Kocaeli Üniversitesi, İzmit Kocaeli

Bachelors of Engineering 3.1 GPA

Some of the classes successfully completed:

Computer Aided Design (Autocad), Electrical Circuit Analysis, Visual Programming, C Programming, Engineering Materials, Logic Circuits, Thermodynamics, Automatic Control, Fluid Mechanics, Microprocessors, Electronics, Mechatronics Design, Numerical Methods, System Dynamics

CERTIFICATES

- **Neural Networks and Deep Learning** (deeplearning.ai)
- **Improving Deep Neural Networks**: Hyper parameter tuning, Regularization and Optimization (deeplearning.ai)
- **Python Data Structures** (University of Michigan)
- **AI with IBM Watson Introduction Course** (ITU)
- **Complete TensorFlow** (Udemy)
- **The Introduction to Quantum Computers** (Saint Petersburg State University)
- **Electrodynamics: An Introduction** (Korean Advanced Institute of Science and Technology)
- **Electrodynamics: Analysis of Electric Fields** (Korean Advanced Institute of Science and Technology) - Ongoing Course
- **Particle Physics: An Introduction** (University of Geneva) - Ongoing Course

PROJECTS (all further information can be accessed through bgra.coskn.github.io)

- Digital Heat Flux Meter
  https://bgracoskn.github.io/documents/heat_flux_pdf.pdf
- Optical Absorption Spectrometer (Ongoing 25.2)

- Botterlord (Text-based RPG written in PYTHON)

  https://github.com/Marchearth/botterlord
- GRAT (Mobile game written in GDscript)

  https://github.com/Marchearth/GRAT
- Radio Telescope (Design stage 10.3)

- Personal website (written in html, css, javascript)

  https://github.com/Marchearth/marchearth.github.io
- Digital Subtractive Synthesis (made for Logic Circuits Class)

  https://www.linkedin.com/posts/bugracoskun_audio-synthesis-ic-activity-66
  18158104645246976-ZlEZ

HOBBIES

- Electronic Music Production and Guitar
  https://soundcloud.com/macroprocessor
- Road Cycling
  https://www.strava.com/athletes/64946653
- Astronomy and stargazing

PROFESSIONAL EXPERIENCE

- Freelance web designer (3 paid projects)
- Assistant STEM teacher - Günebakan Akademi (Apr2020-Aug2020 5mos)
- Private tutor (6 past students)